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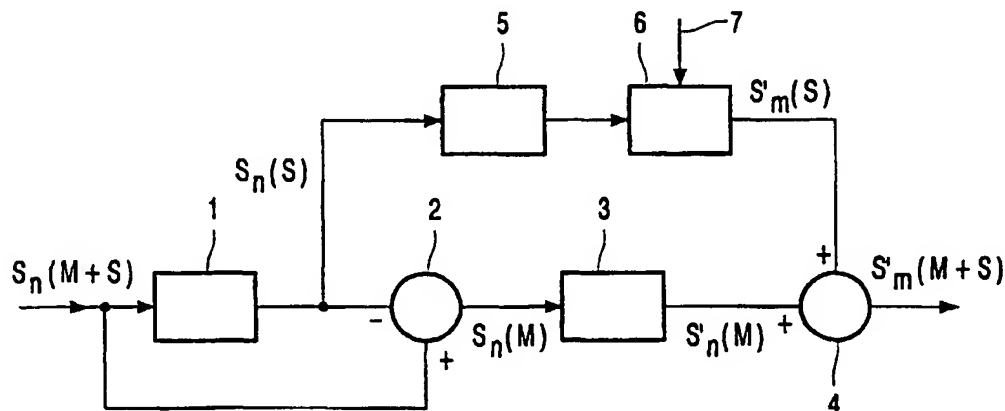
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(54) Title: AUDIO SIGNAL PROCESSING DEVICE



(57) Abstract: An audio signal processing device comprises signal supply means to supply speech and music signals via one or more input channels. The device further comprises separating means to separate the speech and music signals. First converter means are used to convert the music signals into a required virtual widening from one or more input channels. Combination means are used to combine the speech signals with the converted music signals.

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# INTERNATIONAL SEARCH REPORT

International Application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04S1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04S G10L G10K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 09, 30 September 1997 (1997-09-30) & JP 09 114479 A (MATSUSHITA ELECTRIC IND CO LTD), 2 May 1997 (1997-05-02) abstract	1,5
Y	---	2-4
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) & JP 09 084198 A (NIPPON COLUMBIA CO LTD), 28 March 1997 (1997-03-28) abstract	1,5
Y	---	2-4
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☐ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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